Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1501878

Luminaire Tested: GSS-SB1B-827-U-T2LG-HSS

Issue Date: 07/20/2026

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501878
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1B-827-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 40W 80CRI 2700K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(26) 2700K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3619.3 lumens
Efficiency:	N/A
Efficacy:	90.5 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G1

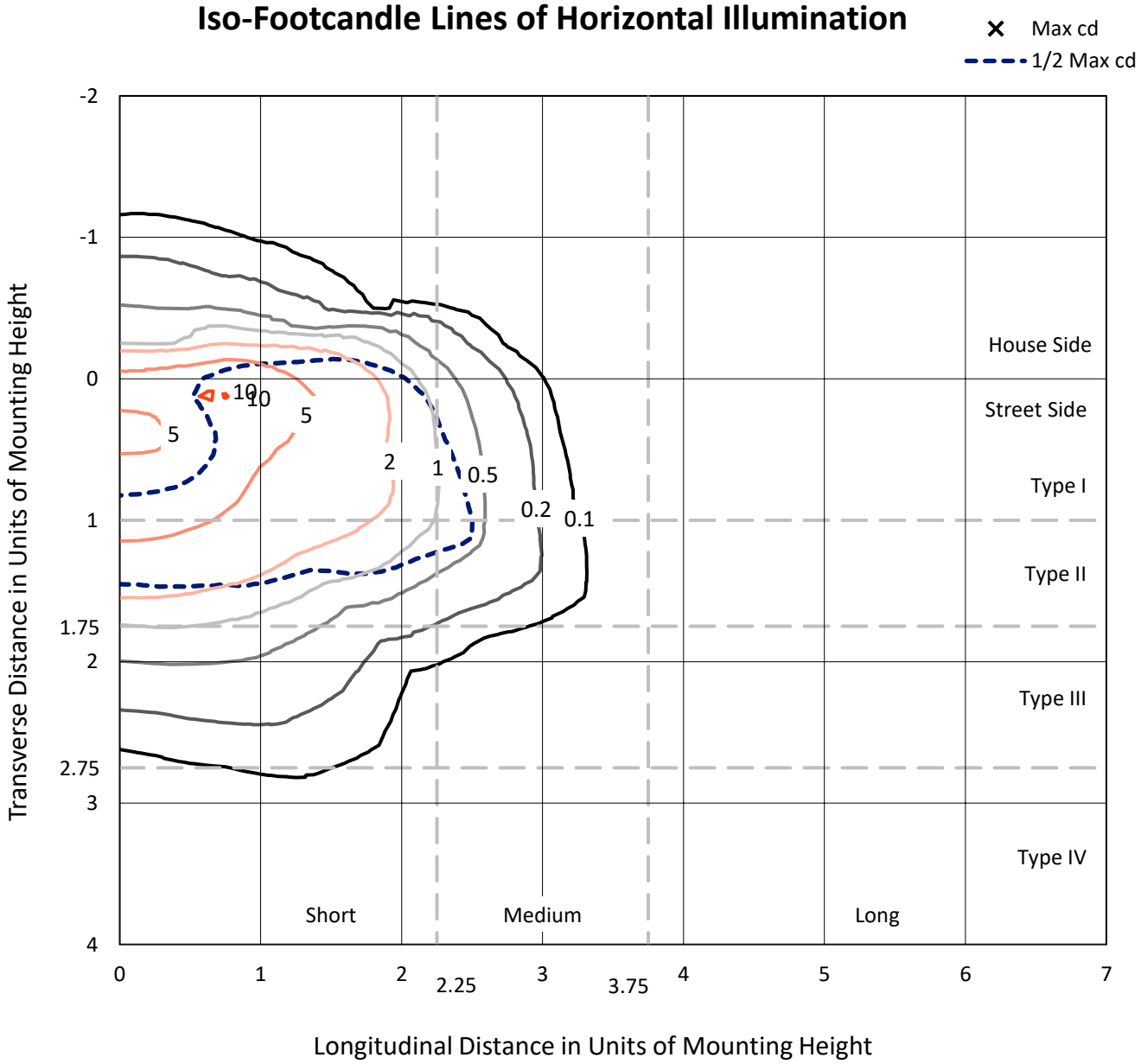
Input Watts (W):	40
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	5.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



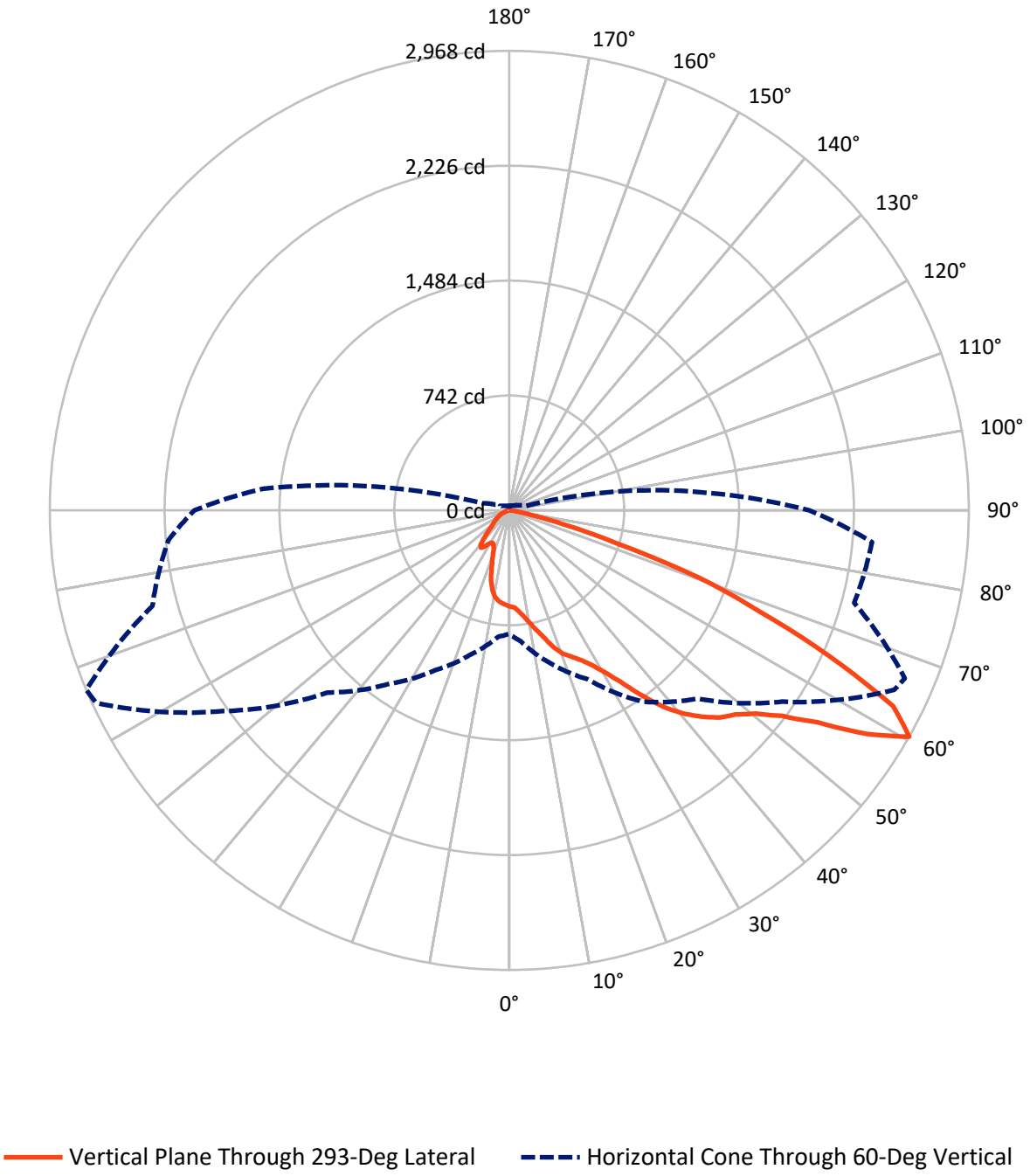
Based on 10 foot mounting height. Maximum calculated value = 10.3 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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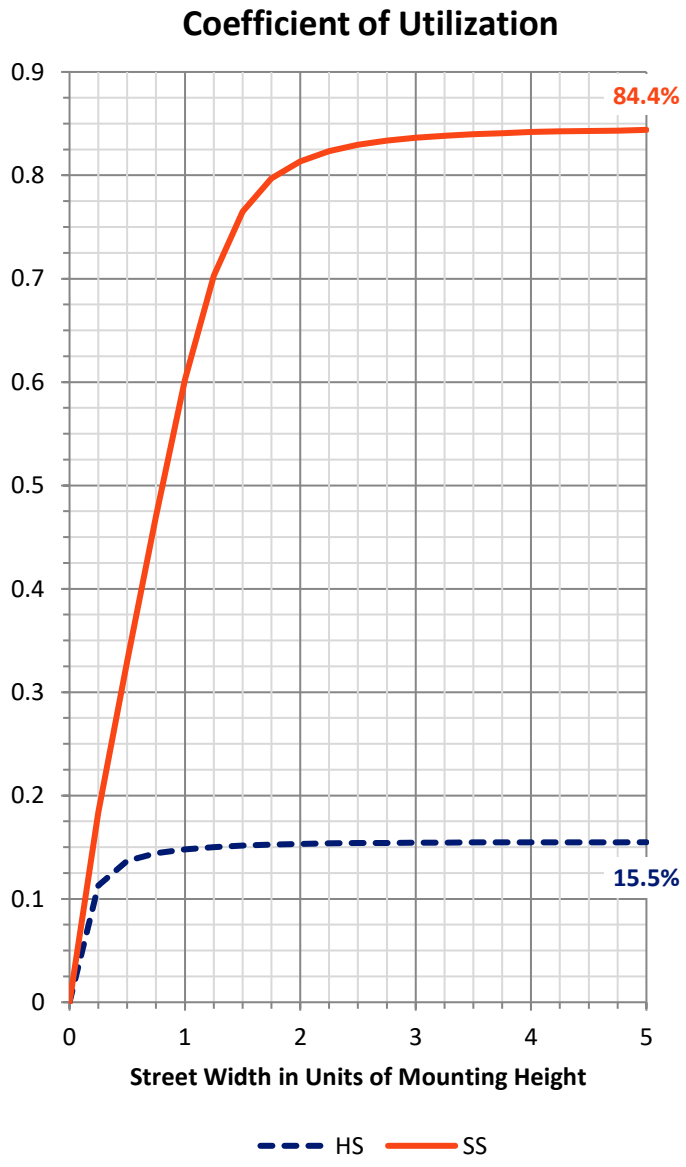
REPORT NUMBER: P1501878
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	564.7	0.0	564.7
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	3054.6	0.0	3054.6
	% Fixture	84.4	0.0	84.4
Total	Lumens	3619.3	0.0	3619.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.2	1.6
10°-20°	141.5	3.9
20°-30°	264.1	7.3
30°-40°	523.7	14.5
40°-50°	835.0	23.1
50°-60°	997.6	27.6
60°-70°	654.0	18.1
70°-80°	137.0	3.8
80°-90°	10.4	0.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3619.3	100.0
0°-180°	3619.3	100.0



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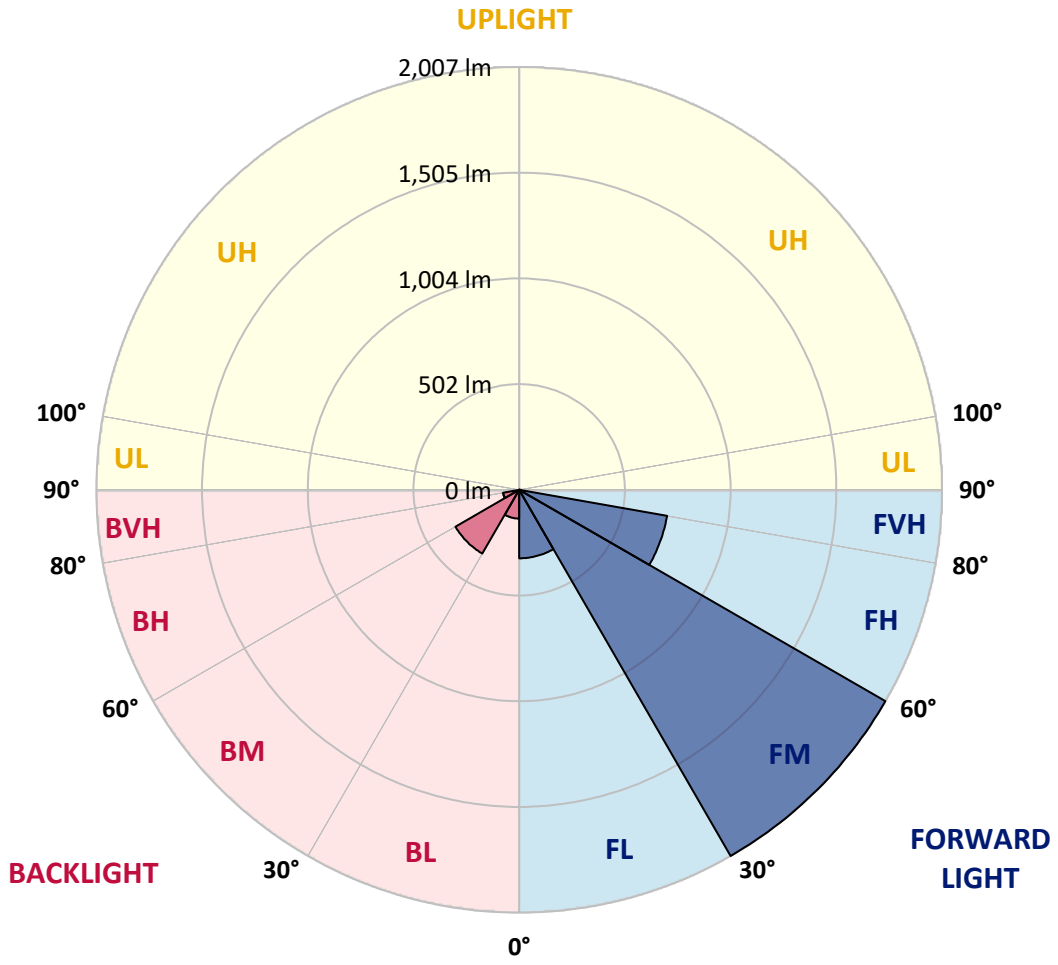
Scaled Data Report

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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	325.1	9.0			
FM	(30°-60°)	2007.0	55.5			
FH	(60°-80°)	713.0	19.7			G1/1800
FVH	(80°-90°)	9.5	0.3			G0/10
BL	(0°-30°)	136.6	3.8	B1/500		
BM	(30°-60°)	349.2	9.6	B1/1000		
BH	(60°-80°)	78.0	2.2	B0/110		G0/110
BVH	(80°-90°)	0.9	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	620.3	620.3	620.3	620.3	620.3	620.3	620.3	620.3	620.3	620.3	620.3
2.5°	651.7	649.7	646.7	647.7	646.7	642.6	636.5	631.5	635.5	629.4	625.4
5°	671.0	671.0	669.0	669.0	670.0	668.0	663.9	656.8	657.8	652.7	639.6
7.5°	671.0	668.0	673.0	678.1	687.2	692.3	694.3	690.3	692.3	682.1	664.9
10°	631.5	629.4	642.6	661.9	688.2	711.5	726.7	727.8	730.8	720.7	700.4
12.5°	547.3	543.3	569.6	606.1	659.8	713.6	756.1	772.4	779.4	775.4	747.0
15°	469.3	474.4	492.6	532.1	604.1	686.2	772.4	826.1	836.2	841.3	807.8
17.5°	461.2	462.2	468.3	487.5	542.3	641.6	774.4	881.8	896.0	918.3	872.7
20°	483.5	481.5	487.5	493.6	520.0	602.1	755.1	935.5	962.9	1010.5	960.9
22.5°	525.0	525.0	528.1	532.1	545.3	599.0	747.0	985.2	1031.8	1129.1	1071.4
25°	595.0	586.9	588.9	583.8	595.0	635.5	765.3	1024.7	1088.6	1260.9	1203.1
27.5°	703.4	706.5	688.2	660.9	666.9	701.4	809.9	1069.3	1147.4	1397.7	1336.9
30°	853.4	848.4	837.2	783.5	759.2	789.6	892.0	1142.3	1226.4	1571.1	1515.3
32.5°	971.0	985.2	965.9	928.4	890.9	900.1	1007.5	1259.9	1322.7	1730.2	1699.8
35°	1112.9	1112.9	1117.0	1064.3	1038.9	1036.9	1152.4	1387.6	1450.4	1874.1	1895.4
37.5°	1304.5	1291.3	1269.0	1210.2	1191.0	1216.3	1288.3	1519.4	1587.3	1990.7	2047.4
40°	1465.6	1474.8	1471.7	1386.6	1349.1	1376.4	1440.3	1631.9	1684.6	2065.7	2170.1
42.5°	1623.8	1628.8	1615.7	1575.1	1520.4	1522.4	1575.1	1717.0	1770.7	2137.6	2285.6
45°	1742.4	1741.3	1732.2	1722.1	1689.6	1656.2	1665.3	1811.3	1857.9	2161.0	2348.5
47.5°	1779.9	1788.0	1796.1	1824.5	1846.7	1794.0	1747.4	1862.0	1904.5	2156.9	2371.8
50°	1745.4	1762.6	1802.2	1844.7	1920.7	1916.7	1816.3	1916.7	1958.2	2179.2	2399.2
52.5°	1668.4	1685.6	1738.3	1815.3	1929.9	1986.6	1944.1	2008.9	2057.6	2236.0	2455.9
55°	1489.0	1496.0	1604.5	1705.9	1884.3	1956.2	2080.9	2165.0	2205.6	2304.9	2530.9
57.5°	1212.2	1229.5	1335.9	1501.1	1756.5	1876.1	2158.9	2431.6	2430.6	2370.8	2547.1
60°	*797.7*	*848.4*	*1021.7*	*1204.1*	*1509.2*	*1719.0*	*2153.9*	*2743.8*	*2775.2*	*2305.9*	*2351.5*
62.5°	609.2	630.4	728.8	880.8	1117.0	1425.1	2120.4	2837.0	2861.3	2131.6	2058.6
65°	458.1	484.5	578.8	714.6	788.6	965.9	1901.5	2466.0	2499.5	1902.5	1600.4
67.5°	280.8	302.0	427.7	586.9	597.0	600.0	1283.2	1868.0	1880.2	1534.6	1077.4
70°	187.5	208.8	296.0	451.0	475.4	345.6	704.4	1413.9	1412.9	1050.1	654.8
72.5°	108.5	118.6	187.5	332.5	374.0	219.9	351.7	899.0	859.5	493.6	306.1
75°	61.8	68.9	103.4	213.9	262.5	139.9	138.9	481.5	425.7	254.4	167.2
77.5°	37.5	40.5	56.8	139.9	158.1	94.3	77.0	224.0	215.9	149.0	88.2
80°	18.2	21.3	34.5	82.1	101.4	50.7	46.6	88.2	94.3	82.1	46.6
82.5°	6.1	8.1	19.3	31.4	65.9	20.3	19.3	48.7	51.7	48.7	22.3
85°	3.0	4.1	9.1	10.1	25.3	10.1	7.1	21.3	26.4	16.2	9.1
87.5°	0.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	620.3	620.3	620.3	620.3	620.3	620.3	620.3	620.3	620.3	620.3	620.3
2.5°	622.3	620.3	616.3	609.2	608.2	603.1	595.0	589.9	585.9	588.9	589.9
5°	633.5	628.4	616.3	597.0	576.7	556.5	537.2	514.9	499.7	497.7	493.6
7.5°	653.8	643.6	617.3	579.8	528.1	479.4	422.7	367.9	340.6	336.5	327.4
10°	686.2	669.0	625.4	549.4	450.0	348.7	262.5	203.7	170.3	164.2	166.2
12.5°	724.7	700.4	626.4	497.7	342.6	215.9	149.0	126.7	119.6	116.6	116.6
15°	774.4	738.9	625.4	430.8	231.1	138.9	119.6	110.5	107.4	105.4	105.4
17.5°	837.2	790.6	618.3	330.4	156.1	120.6	109.5	102.4	98.3	97.3	97.3
20°	911.2	848.4	602.1	246.3	130.8	112.5	103.4	94.3	91.2	89.2	89.2
22.5°	1005.5	918.3	570.6	191.6	123.7	107.4	97.3	87.2	84.1	82.1	82.1
25°	1114.9	1007.5	529.1	172.3	122.6	103.4	91.2	81.1	78.0	77.0	76.0
27.5°	1244.7	1102.8	490.6	173.3	124.7	100.3	85.1	76.0	73.0	69.9	71.0
30°	1397.7	1201.1	459.2	185.5	126.7	97.3	81.1	73.0	69.9	65.9	65.9
32.5°	1548.8	1316.6	456.1	207.8	133.8	95.3	77.0	68.9	65.9	62.8	62.8
35°	1703.8	1422.1	473.3	237.2	148.0	92.2	72.0	64.9	61.8	59.8	58.8
37.5°	1851.8	1506.2	489.6	255.4	139.9	79.1	65.9	59.8	56.8	52.7	52.7
40°	1950.1	1551.8	492.6	241.2	115.5	71.0	59.8	53.7	49.7	47.6	46.6
42.5°	2022.1	1581.2	458.1	195.6	100.3	64.9	54.7	48.7	45.6	43.6	43.6
45°	2051.5	1571.1	399.4	149.0	92.2	59.8	49.7	44.6	42.6	40.5	40.5
47.5°	2047.4	1524.4	339.6	119.6	84.1	54.7	46.6	42.6	40.5	38.5	37.5
50°	2040.3	1480.8	278.7	106.4	75.0	51.7	43.6	40.5	37.5	35.5	34.5
52.5°	2087.0	1466.7	231.1	97.3	69.9	49.7	42.6	38.5	35.5	33.4	33.4
55°	2133.6	1472.7	181.4	91.2	64.9	48.7	41.6	37.5	34.5	31.4	31.4
57.5°	2130.6	1446.4	137.8	85.1	60.8	47.6	40.5	36.5	31.4	29.4	29.4
60°	*1937.0*	*1290.3*	*107.4*	*78.0*	*55.7*	*44.6*	*37.5*	*34.5*	*29.4*	*26.4*	*26.4*
62.5°	1638.0	1014.6	88.2	68.9	49.7	40.5	34.5	31.4	26.4	21.3	21.3
65°	1210.2	731.8	71.0	59.8	45.6	35.5	31.4	27.4	21.3	17.2	16.2
67.5°	819.0	450.0	56.8	49.7	40.5	30.4	26.4	23.3	19.3	14.2	13.2
70°	485.5	239.2	41.6	34.5	30.4	22.3	22.3	20.3	16.2	12.2	11.1
72.5°	231.1	83.1	30.4	25.3	23.3	16.2	17.2	17.2	13.2	9.1	8.1
75°	117.6	40.5	20.3	18.2	15.2	12.2	14.2	13.2	9.1	6.1	6.1
77.5°	66.9	28.4	14.2	12.2	10.1	8.1	9.1	8.1	5.1	3.0	3.0
80°	37.5	20.3	9.1	8.1	6.1	5.1	5.1	4.1	3.0	1.0	1.0
82.5°	14.2	12.2	6.1	4.1	3.0	3.0	2.0	2.0	1.0	0.0	0.0
85°	6.1	3.0	3.0	2.0	2.0	1.0	1.0	1.0	0.0	0.0	0.0
87.5°	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	620.3	620.3	620.3	620.3	620.3	620.3	620.3	620.3	620.3	620.3	620.3
2.5°	581.8	583.8	585.9	594.0	596.0	602.1	607.1	613.2	614.2	622.3	622.3
5°	501.7	500.7	517.9	543.3	559.5	581.8	599.0	617.3	627.4	640.6	646.7
7.5°	332.5	357.8	396.3	440.9	498.7	552.4	592.9	628.4	652.7	668.0	674.0
10°	165.2	179.4	219.9	292.9	391.2	500.7	586.9	652.7	692.3	709.5	720.7
12.5°	116.6	119.6	126.7	166.2	260.5	415.6	567.6	679.1	733.8	766.3	780.5
15°	104.4	106.4	109.5	120.6	161.2	310.2	533.1	708.5	798.7	836.2	854.5
17.5°	96.3	97.3	100.3	109.5	126.7	210.8	477.4	739.9	876.7	922.4	956.8
20°	89.2	89.2	92.2	103.4	117.6	162.2	397.3	775.4	976.1	1042.0	1076.4
22.5°	81.1	83.1	85.1	97.3	114.5	148.0	322.3	802.8	1086.6	1166.6	1207.2
25°	75.0	77.0	79.1	91.2	111.5	148.0	278.7	820.0	1210.2	1305.5	1361.2
27.5°	69.9	72.0	75.0	87.2	108.5	154.1	261.5	825.1	1345.0	1468.7	1543.7
30°	65.9	67.9	71.0	84.1	110.5	161.2	267.6	818.0	1481.9	1636.9	1726.1
32.5°	61.8	63.9	66.9	81.1	110.5	170.3	287.9	803.8	1614.6	1805.2	1914.7
35°	58.8	59.8	60.8	73.0	100.3	169.3	313.2	789.6	1748.4	1971.4	2099.1
37.5°	52.7	53.7	55.7	62.8	80.1	154.1	318.3	772.4	1853.8	2111.3	2252.2
40°	46.6	48.7	50.7	57.8	66.9	124.7	296.0	735.9	1909.6	2218.7	2390.0
42.5°	42.6	43.6	45.6	52.7	61.8	99.3	248.3	672.0	1959.3	2291.7	2490.4
45°	39.5	40.5	42.6	47.6	57.8	86.2	195.6	594.0	1963.3	2315.0	2539.0
47.5°	36.5	37.5	38.5	43.6	55.7	77.0	150.0	523.0	1962.3	2345.4	2580.6
50°	34.5	35.5	37.5	41.6	52.7	68.9	123.7	465.2	2004.9	2411.3	2664.7
52.5°	33.4	33.4	36.5	40.5	49.7	62.8	103.4	413.5	2027.2	2476.2	2725.5
55°	31.4	32.4	34.5	38.5	46.6	59.8	88.2	348.7	2037.3	2508.6	2736.7
57.5°	29.4	30.4	33.4	36.5	44.6	56.8	76.0	260.5	1892.4	2339.4	2550.2
60°	*26.4*	*28.4*	*32.4*	*35.5*	*41.6*	*51.7*	*66.9*	*176.4*	*1596.4*	*2033.2*	*2209.6*
62.5°	21.3	25.3	29.4	31.4	37.5	43.6	56.8	117.6	1275.1	1682.5	1883.2
65°	16.2	21.3	24.3	27.4	31.4	36.5	47.6	80.1	850.4	1132.2	1358.2
67.5°	14.2	18.2	20.3	22.3	26.4	31.4	38.5	55.7	515.9	680.1	903.1
70°	11.1	15.2	17.2	16.2	20.3	24.3	27.4	37.5	263.5	368.9	513.9
72.5°	8.1	12.2	13.2	13.2	12.2	17.2	20.3	26.4	114.5	179.4	233.1
75°	6.1	8.1	9.1	8.1	7.1	11.1	14.2	17.2	75.0	107.4	135.8
77.5°	3.0	3.0	5.1	5.1	3.0	6.1	7.1	10.1	42.6	62.8	78.0
80°	1.0	0.0	0.0	1.0	0.0	2.0	3.0	5.1	22.3	33.4	48.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	11.1	10.1	25.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	6.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1501878
CATALOG NUMBER: GSS-SB1B-827-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	620.3	*620.3*	620.3	620.3	620.3	620.3	620.3	620.3	620.3	620.3
2.5°	627.4	*627.4*	631.5	637.5	640.6	642.6	643.6	645.7	653.8	651.7
5°	653.8	*655.8*	658.8	664.9	672.0	670.0	670.0	670.0	675.0	671.0
7.5°	688.2	*694.3*	695.3	702.4	697.3	687.2	681.1	672.0	671.0	671.0
10°	744.0	*741.9*	741.9	732.8	714.6	685.2	658.8	640.6	630.4	631.5
12.5°	803.8	*795.7*	796.7	763.2	711.5	646.7	592.9	553.4	550.4	547.3
15°	877.8	*856.5*	852.4	775.4	665.9	566.6	513.9	482.5	472.3	469.3
17.5°	983.2	*929.5*	910.2	754.1	606.1	516.9	477.4	463.2	462.2	461.2
20°	1094.7	*988.2*	951.8	722.7	585.9	517.9	488.5	484.5	482.5	483.5
22.5°	1224.4	*1025.7*	979.1	727.8	604.1	551.4	528.1	525.0	523.0	525.0
25°	1358.2	*1069.3*	1011.6	768.3	658.8	613.2	585.9	579.8	585.9	595.0
27.5°	1493.0	*1128.1*	1075.4	848.4	747.0	697.3	671.0	693.3	702.4	703.4
30°	1612.6	*1210.2*	1161.6	960.9	847.4	797.7	802.8	831.1	842.3	853.4
32.5°	1722.1	*1319.7*	1282.2	1088.6	977.1	947.7	944.7	965.9	978.1	971.0
35°	1832.6	*1462.6*	1426.1	1227.4	1136.2	1111.9	1086.6	1128.1	1124.1	1112.9
37.5°	1937.0	*1606.5*	1573.1	1376.4	1282.2	1239.6	1235.6	1273.1	1306.5	1304.5
40°	2012.0	*1723.1*	1682.5	1524.4	1435.2	1398.7	1420.0	1484.9	1476.8	1465.6
42.5°	2080.9	*1822.4*	1785.9	1654.2	1560.9	1577.1	1596.4	1640.0	1634.9	1623.8
45°	2113.3	*1907.6*	1876.1	1752.5	1706.9	1758.6	1757.6	1773.8	1746.4	1742.4
47.5°	2158.9	*1968.4*	1935.9	1840.7	1881.2	1902.5	1842.7	1825.5	1800.1	1779.9
50°	2243.1	*2062.6*	2030.2	1974.5	2008.9	1943.0	1870.1	1832.6	1780.9	1745.4
52.5°	2341.4	*2205.6*	2177.2	2154.9	2058.6	1922.8	1829.5	1761.6	1698.8	1668.4
55°	2465.0	*2416.4*	2396.1	2273.5	2014.0	1839.7	1730.2	1603.5	1517.3	1489.0
57.5°	2505.6	*2725.5*	2718.4	2292.7	1889.3	1688.6	1491.0	1319.7	1230.5	1212.2
60°	*2386.0*	*2967.8*	*2942.4*	*2260.3*	*1663.3*	*1370.4*	*1139.3*	*963.9*	*819.0*	*797.7*
62.5°	2232.9	*2782.3*	2773.2	2097.1	1267.0	982.2	851.4	687.2	625.4	609.2
65°	1912.6	*2276.5*	2280.6	1682.5	801.7	705.5	699.4	546.3	470.3	458.1
67.5°	1472.7	*1746.4*	1718.0	1058.2	467.3	564.6	558.5	399.4	288.9	280.8
70°	860.5	*1300.4*	1254.8	550.4	309.1	471.3	429.8	280.8	196.6	187.5
72.5°	380.1	*715.6*	768.3	242.2	217.9	375.0	310.2	172.3	110.5	108.5
75°	210.8	*354.8*	371.0	105.4	153.1	266.6	187.5	96.3	62.8	61.8
77.5°	126.7	*157.1*	153.1	67.9	114.5	170.3	113.5	54.7	39.5	37.5
80°	71.0	*72.0*	60.8	49.7	67.9	95.3	63.9	34.5	18.2	18.2
82.5°	43.6	*39.5*	31.4	15.2	18.2	57.8	23.3	19.3	6.1	6.1
85°	18.2	*12.2*	8.1	3.0	7.1	15.2	8.1	9.1	3.0	3.0
87.5°	0.0	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-8

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-827-U-5WQ

Data in this report applies to families of products including GSS-SB1A-827-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

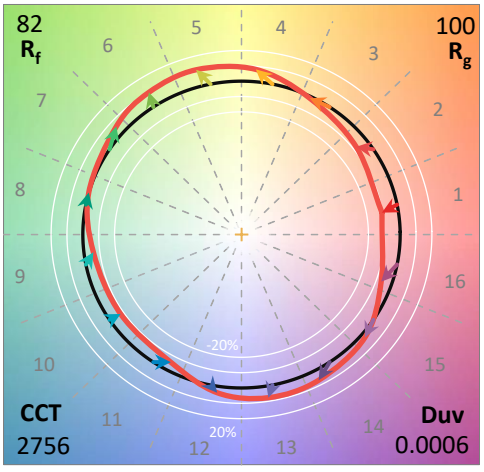
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-8
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	10/15/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGraw-Edison
Catalog Number:	**GSS-SB1A-827-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2756
CIE u':	0.2599
CIE v':	0.5271
Duv:	0.0006
CIE x:	0.4563
CIE y:	0.4112
CIE z:	0.1325
Peak Wavelength (nm):	609
Dominant Wavelength (nm):	583
Purity:	60.41121
Rf:	82.2
Rg:	99.9

CRI (Ra):	82.9
R1:	81.6
R2:	88.8
R3:	96.0
R4:	83.4
R5:	81.4
R6:	87.0
R7:	84.0
R8:	60.8
R9:	10.8
R10:	74.8
R11:	84.3
R12:	72.1
R13:	82.9
R14:	97.3
R15:	73.7



Test Conditions

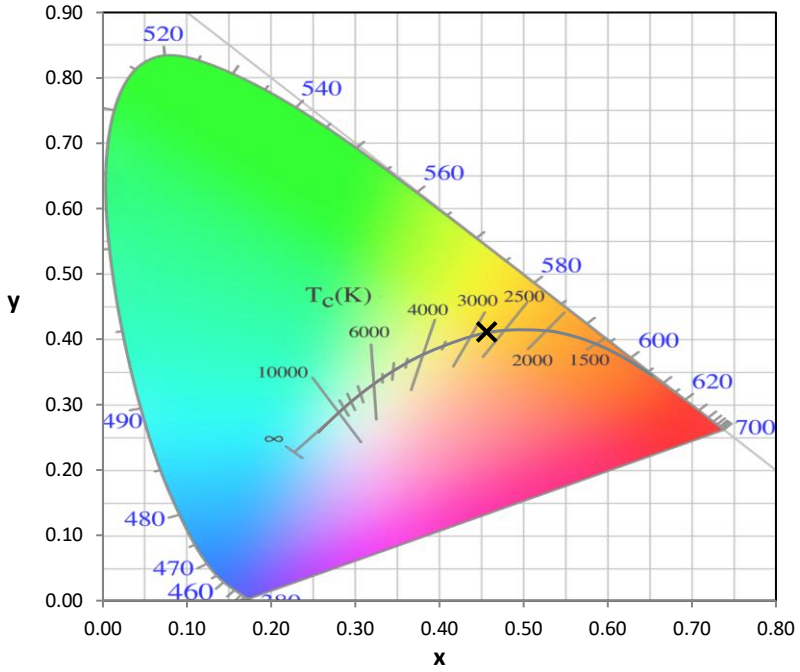
Stabilization Time:	29M
Operation Time:	1H 29M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-8

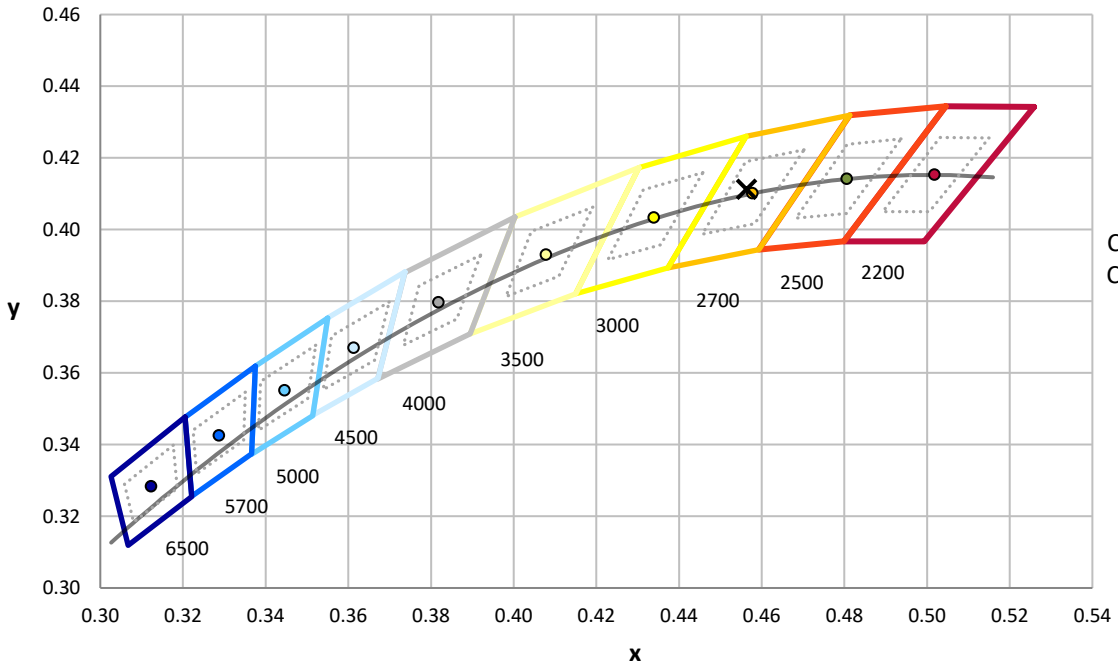
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

REPORT NUMBER: SP1-2407-184-8

CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

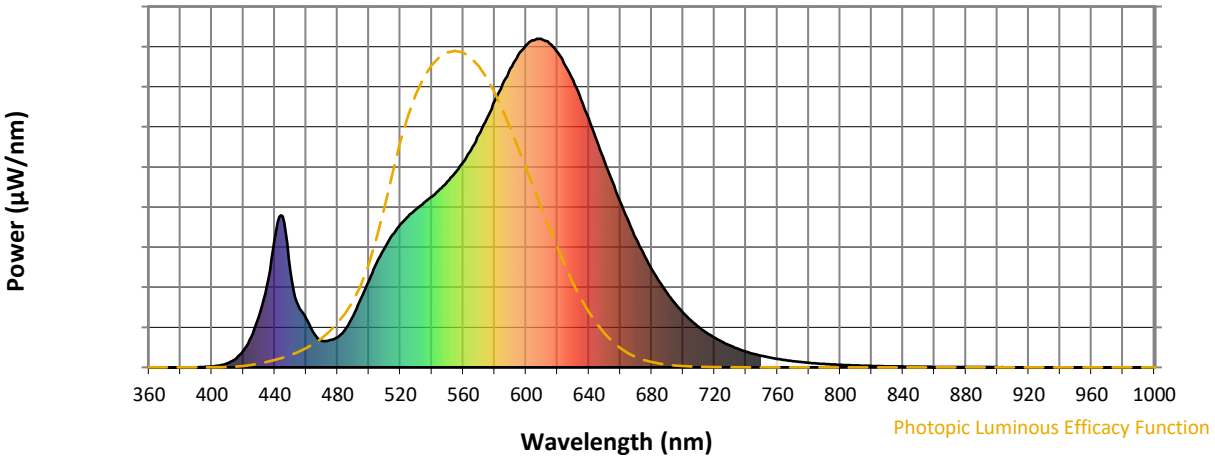


CCT = 2756K
CIE x = 0.4563
CIE y = 0.4112
Duv = 0.0006

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-8

Photopic Flux vs. Wavelength

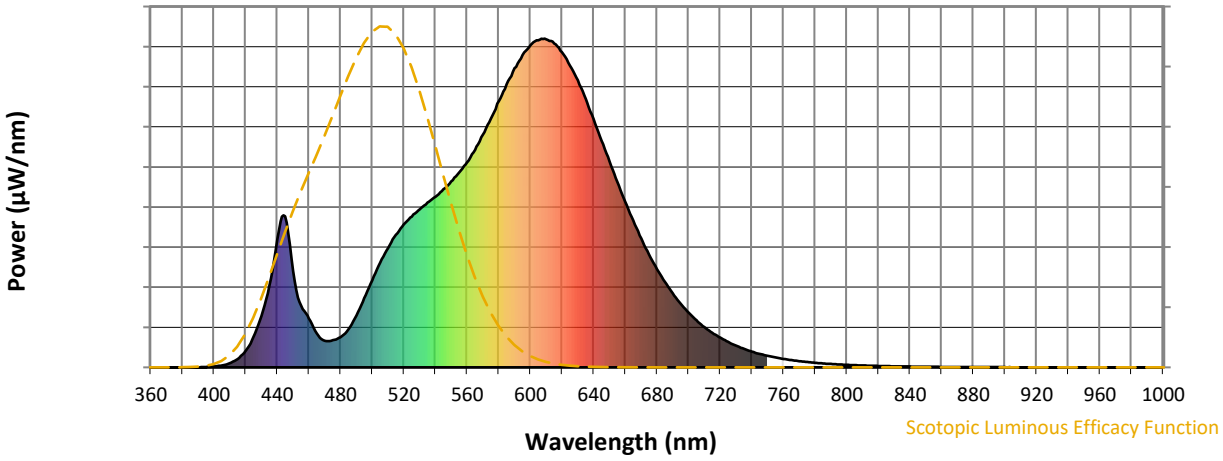


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-8

Scotopic Flux vs. Wavelength

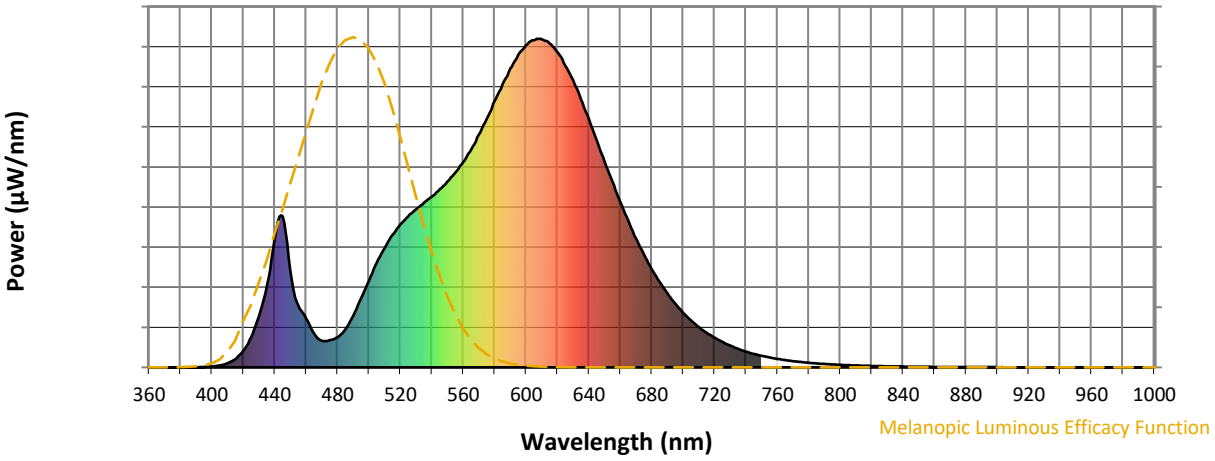


Scotopic Lumens: NR **S/P: 1.2**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.16**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

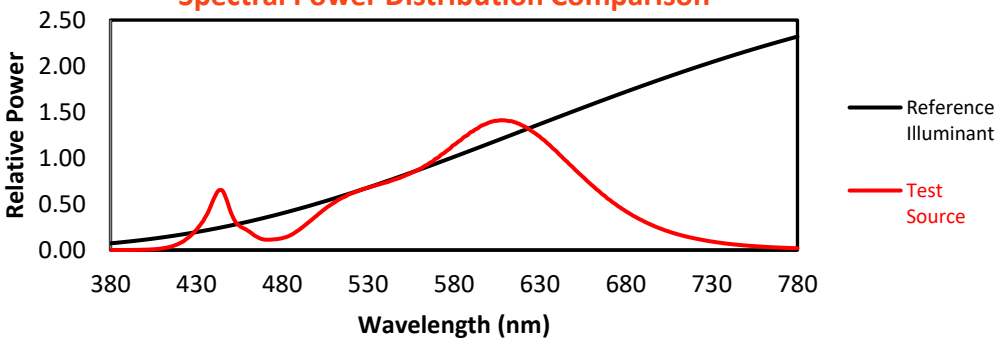
REPORT NUMBER: SP1-2407-184-8

TM-30-18

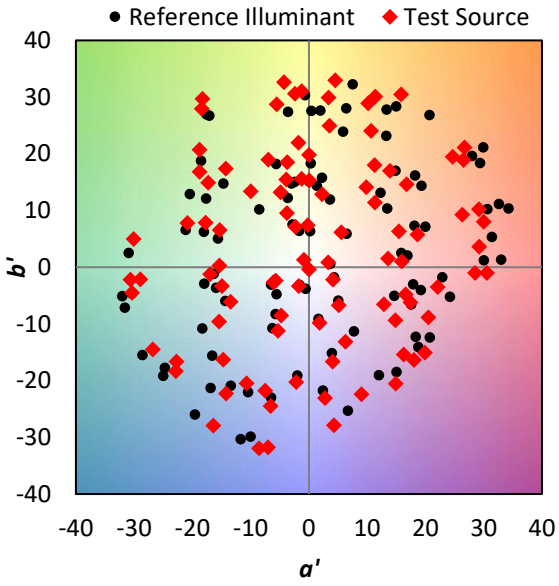
Summary

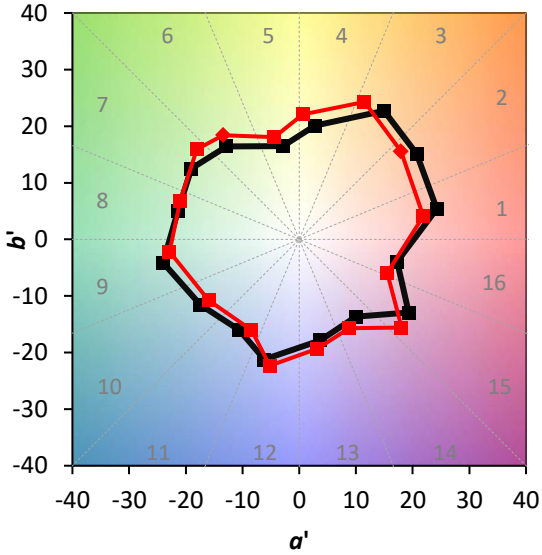
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R_g = 99.9
CIE R_a = 82.9
R_9 = 10.8

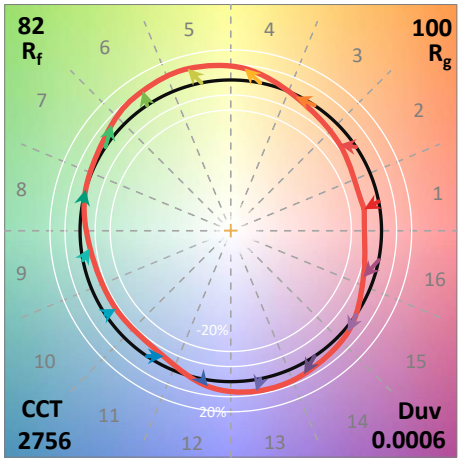
Spectral Power Distribution Comparison

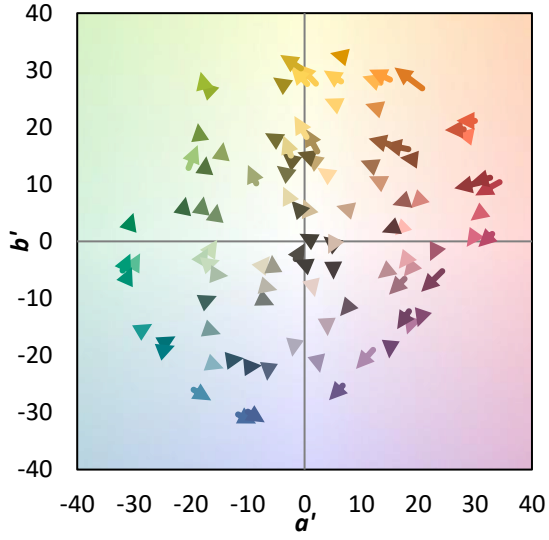


Color Vector Graphics







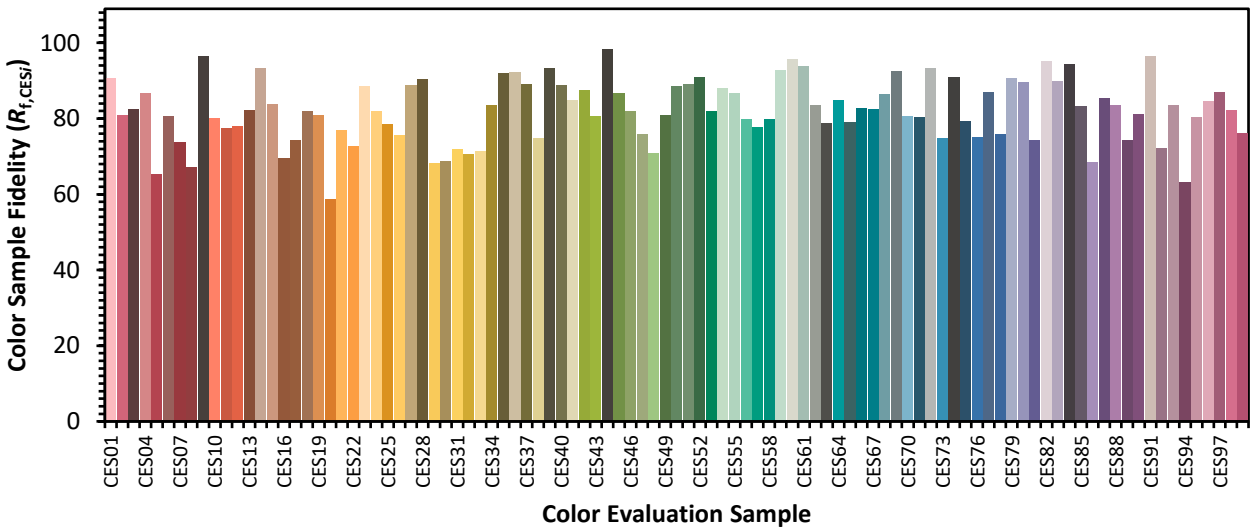


REPORT NUMBER: SP1-2407-184-8

TM-30-18

Individual Sample Fidelity Index ($R_{f,i}$)

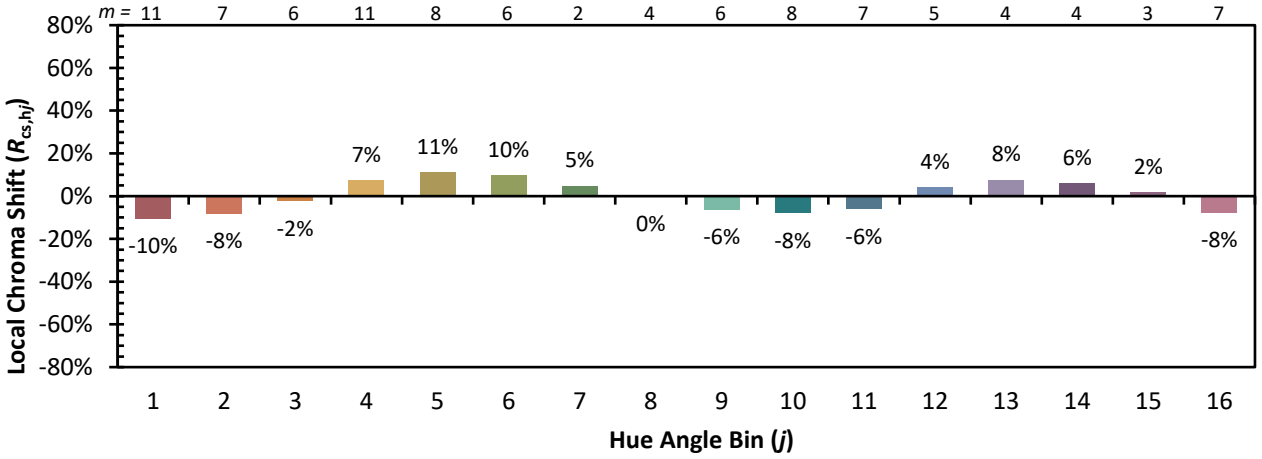
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CES02 = 63	CES27 = 89	CES52 = 91	CES77 = 87
CES03 = 31	CES28 = 90	CES53 = 82	CES78 = 76
CES04 = 71	CES29 = 68	CES54 = 88	CES79 = 91
CES05 = 50	CES30 = 69	CES55 = 87	CES80 = 90
CES06 = 52	CES31 = 72	CES56 = 80	CES81 = 74
CES07 = 43	CES32 = 71	CES57 = 78	CES82 = 95
CES08 = 42	CES33 = 71	CES58 = 80	CES83 = 90
CES09 = 29	CES34 = 84	CES59 = 93	CES84 = 94
CES10 = 77	CES35 = 92	CES60 = 96	CES85 = 83
CES11 = 59	CES36 = 92	CES61 = 94	CES86 = 69
CES12 = 66	CES37 = 89	CES62 = 84	CES87 = 85
CES13 = 44	CES38 = 75	CES63 = 79	CES88 = 84
CES14 = 74	CES39 = 93	CES64 = 85	CES89 = 74
CES15 = 72	CES40 = 89	CES65 = 79	CES90 = 81
CES16 = 48	CES41 = 85	CES66 = 83	CES91 = 96
CES17 = 50	CES42 = 88	CES67 = 82	CES92 = 72
CES18 = 57	CES43 = 81	CES68 = 86	CES93 = 84
CES19 = 73	CES44 = 98	CES69 = 92	CES94 = 63
CES20 = 67	CES45 = 87	CES70 = 81	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 81	CES96 = 85
CES22 = 79	CES47 = 76	CES72 = 93	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 75	CES98 = 82
CES24 = 91	CES49 = 81	CES74 = 91	CES99 = 76
CES25 = 72	CES50 = 88	CES75 = 79	

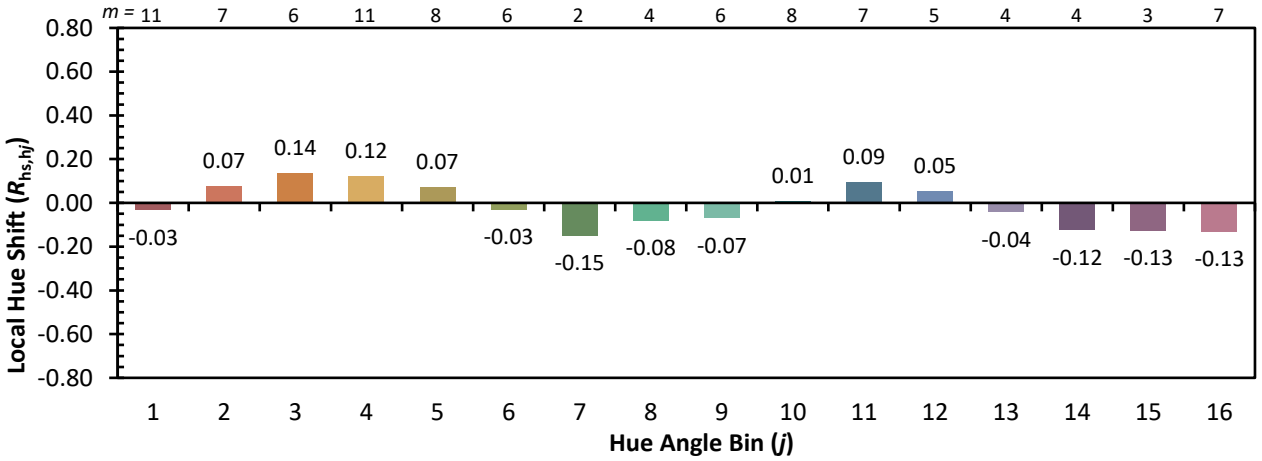


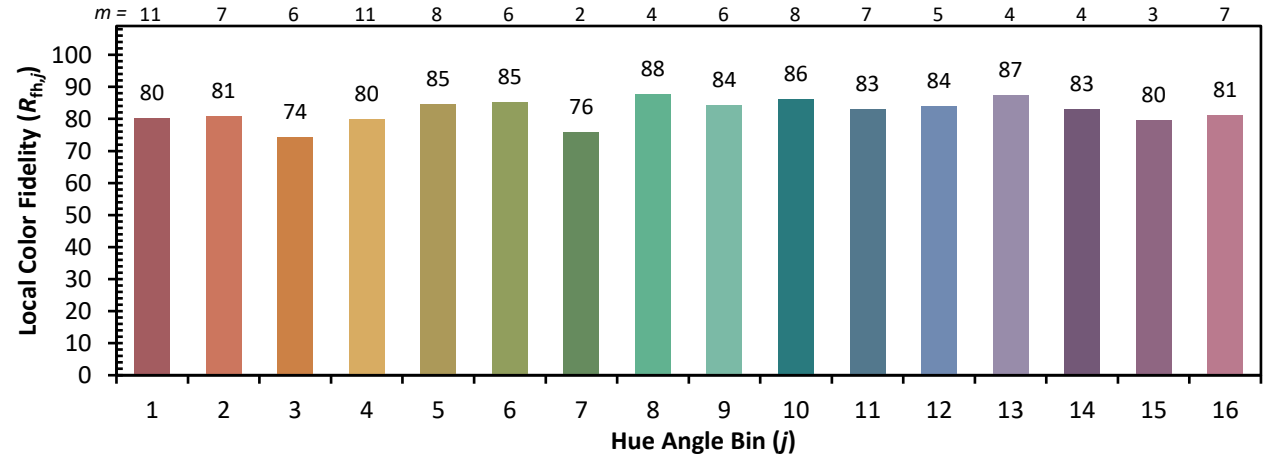
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Color Rendition by Hue-Angle Bin



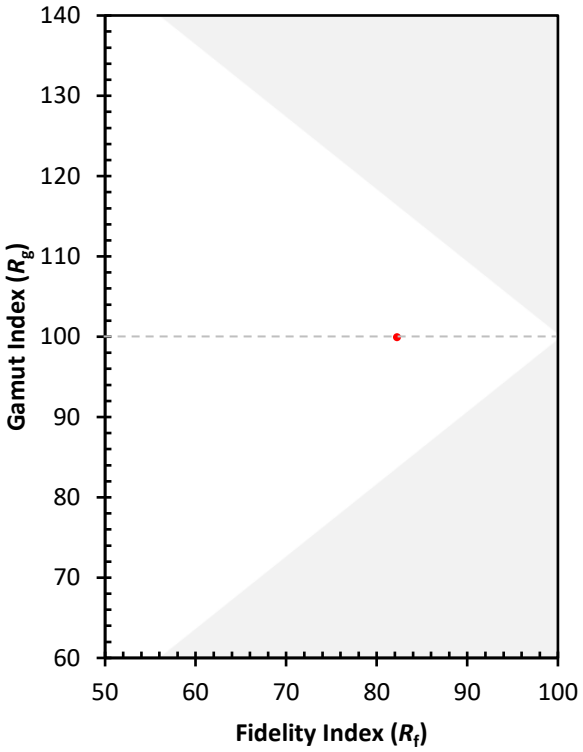


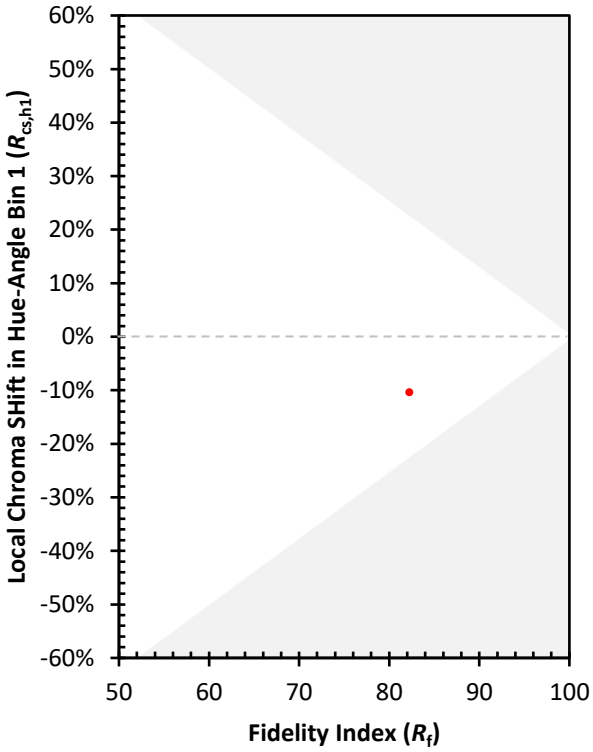


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Measure Comparisons





(END OF REPORT)